

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER <div style="text-align: center;">00952-04</div>
INTERNATIONAL APPLICATION NO. <div style="text-align: center;">PCT/US2005/003910</div>	INTERNATIONAL FILING DATE <div style="text-align: center;">07 February 2005 (7.02.2005)</div>	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <div style="text-align: center; font-size: 1.2em;">10/588445</div>
PRIORITY DATE CLAIMED <div style="text-align: center;">06 February 2004 (6.02.2004)</div>		
TITLE OF INVENTION Compositions and Methods for Identifying Sperm for Forensic Applications		
APPLICANT(S) FOR DO/EO/US University of Virginia Patent Foundation, et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <div style="margin-left: 20px;"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). </div>		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <div style="margin-left: 20px;"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). </div>		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <div style="margin-left: 20px;"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. </div>		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input checked="" type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/588445	INTERNATIONAL APPLICATION NO. PCT/US2005/003910	ATTORNEY'S DOCKET NUMBER 00952-04
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20. Other items or information:
 Small Entity Statement, Statement re sequence listing, Post Card Receipt

The following fees have been submitted	CALCULATIONS	PTO USE ONLY																									
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300	\$ 300.00																										
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))																											
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0	\$ 200.00																										
All other situations..... \$200																											
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))																											
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0																											
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100	\$ 100.00																										
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400																											
All other situations..... \$500																											
TOTAL OF 21, 22 and 23 =	600.00																										
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Total Sheets</th> <th style="width: 15%;">Extra Sheets</th> <th style="width: 30%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 40%;">RATE</th> </tr> </thead> <tbody> <tr> <td>63 - 100 =</td> <td>-37 /50 =</td> <td></td> <td>x \$250</td> </tr> </tbody> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	63 - 100 =	-37 /50 =		x \$250	\$ 0.00																		
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63 - 100 =	-37 /50 =		x \$250																								
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).	\$ 0.00																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 15%;">NUMBER FILED</th> <th style="width: 15%;">NUMBER EXTRA</th> <th style="width: 15%;">RATE</th> <th style="width: 40%;">\$</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>28 - 20 =</td> <td>8</td> <td>x \$ 50</td> <td style="text-align: right;">400.00</td> </tr> <tr> <td>Independent claims</td> <td>3 - 3 =</td> <td>0</td> <td>x \$200</td> <td style="text-align: right;">0.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$360</td> <td style="text-align: right;">0.00</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td style="text-align: right;">1,000.00</td> </tr> </tbody> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total claims	28 - 20 =	8	x \$ 50	400.00	Independent claims	3 - 3 =	0	x \$200	0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	0.00	TOTAL OF ABOVE CALCULATIONS =				1,000.00		
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TOTAL OF ABOVE CALCULATIONS =				1,000.00																							
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.	500.00																										
SUBTOTAL =	\$ 500.00																										
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).	\$ 0.00																										
TOTAL NATIONAL FEE =	\$ 500.00																										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property	\$ 0.00																										
TOTAL FEES ENCLOSED =	\$ 500.00																										
	Amount to be refunded:	\$																									
	Amount to be charged	\$																									

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- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 50-0423 in the amount of \$ 500.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0423. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Rodney L. Sparks
University of Virginia Patent Foundation
1224 West Main Street, Suite 1-110
Charlottesville, VA 22903

Rodney L. Sparks
SIGNATURE

Rodney L. Sparks
NAME

53,625
REGISTRATION NUMBER

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
U. S. RECEIVING OFFICE**

<i>Applicant:</i>	Linda Gilmer, et al.	}	<i>Customer No.</i>	34444
		}		
<i>International Serial No.</i>	PCT/US2005/003910	}	<i>Art Unit:</i>	Unknown
		}		
<i>International Filing Date:</i>	7 February 2005	}	<i>Examiner:</i>	Unknown
		}		

Title: Compositions and Methods for Identifying Sperm for Forensic Applications

**Certificate of Mailing Under 37 CFR §1.10
Express Mail No. ED 918 497 276 US**

I hereby certify that this correspondence is being deposited with the United States Postal Service using Express Mail Service under 37 C.F.R. §1.10 on the date indicated below and is addressed to Mail Stop PCT, U.S. Receiving Office, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date: August 4, 2006


Sue Ann Carr

STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR §1.27 (a)(3)(C))

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sir:

With respect to the captioned invention, I hereby state that I am an official empowered to act on behalf of the University of Virginia Patent Foundation, a nonprofit organization, and that the University of Virginia Patent Foundation is Tax Exempt Under Internal Revenue Service Code (26 USC 501(a) and 501(c) (3)) and that the nonprofit organization identified above qualifies as a nonprofit organization, as defined in 37 CFR §1.27(a)(3)(C), for purposes of paying reduced fees under §§41(a) and (b) of Title 35, United States Code.


I hereby state that rights under contract or law remain with and have been conveyed to the University of Virginia Patent Foundation.

The University of Virginia Patent Foundation has licensed the rights to the following small business concern: ContraVac, Inc.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR §§1.27(g)(2)).

Respectfully submitted,

August 4, 2006


Rodney L. Sparks, In-House Patent Counsel
University of Virginia Patent Foundation
250 West Main Street, Suite 300
Charlottesville, VA 22902
(434) 243-6103